

SCORE Search Results Details for Application 09961086 and Search Result 20090302_142117_us-09-961-086a-1.rapbn

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This page gives you Search Results detail for the Application 09961086 and Search Result 20090302_142117_us-09-961-086a-1.rapbn.

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OM protein - protein search, using sw model

Run on: March 3, 2009, 04:35:41 ; Search time 2 Seconds
(without alignments)
993.088 Million cell updates/sec

Title: US-09-961-086A-1

Perfect score: 3352

Sequence: 1 MSSSNVEVFIPVSQGNTNGF.....MIVIFLTIAYLKLLFLKKYS 655

Scoring table: BLOSUM62
Gapext 10.0 , Gapext 0.5

Searched: 16399 seqs, 3032329 residues

Total number of hits satisfying chosen parameters: 16399

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA_New:
1: /ABSS/Data/CRF/ptodata/2/pubpaa/US10_NEW_PUB.pep:
2: /ABSS/Data/CRF/ptodata/2/pubpaa/US11_NEW_PUB.pep:
3: /ABSS/Data/CRF/ptodata/2/pubpaa/US12_NEW_PUB.pep:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

%

Result No.	Query Score	Match Length	DB ID	Description
1	602	18.0	1511 2	US-11-982-010-1020 Sequence 1020, Ap
2	602	18.0	1511 2	US-11-982-274-1020 Sequence 1020, Ap

3	163	4.9	808	2	US-11-769-326-53	Sequence 53, Appl
4	86	2.6	509	2	US-11-982-010-1472	Sequence 1472, Ap
5	86	2.6	509	2	US-11-982-274-1472	Sequence 1472, Ap
6	85	2.5	573	3	US-12-089-646-8	Sequence 8, Appli
7	83.5	2.5	500	3	US-12-171-923-18	Sequence 18, Appl
8	82.5	2.5	852	3	US-12-177-925-4	Sequence 4, Appli
9	82.5	2.5	2513	2	US-11-982-010-1262	Sequence 1262, Ap
10	82.5	2.5	2513	2	US-11-982-274-1262	Sequence 1262, Ap
11	82	2.4	479	3	US-12-135-071A-18	Sequence 18, Appl
12	82	2.4	513	2	US-11-982-010-1221	Sequence 1221, Ap
13	82	2.4	513	2	US-11-982-274-1221	Sequence 1221, Ap
14	81.5	2.4	322	3	US-12-169-527-2468	Sequence 2468, Ap
15	81.5	2.4	325	2	US-11-982-010-1636	Sequence 1636, Ap
16	81.5	2.4	325	2	US-11-982-274-1636	Sequence 1636, Ap
17	81.5	2.4	878	3	US-12-169-527-70	Sequence 70, Appl
18	81.5	2.4	1193	3	US-12-210-770-27	Sequence 27, Appl
19	80.5	2.4	1193	3	US-12-210-770-25	Sequence 25, Appl
20	80	2.4	359	2	US-11-982-010-1205	Sequence 1205, Ap
21	80	2.4	359	2	US-11-982-274-1205	Sequence 1205, Ap
22	80	2.4	810	2	US-11-982-010-1413	Sequence 1413, Ap
23	80	2.4	810	2	US-11-982-274-1413	Sequence 1413, Ap
24	79.5	2.4	488	3	US-12-135-071A-21	Sequence 21, Appl
25	79.5	2.4	535	2	US-11-982-010-1949	Sequence 1949, Ap
26	79.5	2.4	535	2	US-11-982-274-1949	Sequence 1949, Ap
27	79.5	2.4	1885	3	US-12-181-855A-22	Sequence 22, Appl
28	78.5	2.3	480	3	US-12-135-071A-15	Sequence 15, Appl
29	78.5	2.3	1382	3	US-12-163-889-2	Sequence 2, Appli
30	77.5	2.3	324	2	US-11-982-010-1909	Sequence 1909, Ap
31	77.5	2.3	324	2	US-11-982-274-1909	Sequence 1909, Ap
32	77.5	2.3	1579	3	US-12-135-911-2	Sequence 2, Appli
33	77	2.3	563	2	US-11-982-010-1510	Sequence 1510, Ap
34	77	2.3	563	2	US-11-982-274-1510	Sequence 1510, Ap
35	76.5	2.3	427	3	US-12-218-975-1579	Sequence 1579, Ap
36	76.5	2.3	990	3	US-12-169-527-72	Sequence 72, Appl
37	76	2.3	351	2	US-11-982-010-1745	Sequence 1745, Ap
38	76	2.3	351	2	US-11-982-274-1745	Sequence 1745, Ap
39	76	2.3	572	3	US-12-218-975-1639	Sequence 1639, Ap
40	76	2.3	1057	3	US-12-169-527-90	Sequence 90, Appl
41	75.5	2.3	579	3	US-12-218-975-544	Sequence 544, App
42	75.5	2.3	579	3	US-12-218-975-1432	Sequence 1432, Ap
43	75.5	2.3	766	2	US-11-982-010-1951	Sequence 1951, Ap
44	75.5	2.3	766	2	US-11-982-274-1951	Sequence 1951, Ap
45	75.5	2.3	1609	2	US-11-928-477-75	Sequence 75, Appl

ALIGNMENTS

RESULT 1

US-11-982-010-1020

; Sequence 1020, Application US/11982010

; Publication No. US20090044297A1

; GENERAL INFORMATION

; APPLICANT: Adams, Thomas R

; APPLICANT:Andersen, Scott E.

; APPLICANT:Cao, Yongwei

; APPLICANT:Conner, Timothy W.

; APPLICANT:Dotson, Stanton B.
; APPLICANT:Edgerton, Michael D
; APPLICANT:Heck, Gregory R.
; APPLICANT:Kovalic, David K.
; APPLICANT:La Rosa, Thomas J.
; APPLICANT:Lee, Gary
; APPLICANT:Liu, Jingdong
; APPLICANT:Lutfiyya, Linda L.
; APPLICANT:Nelson, Donald E.
; APPLICANT:Wu, Jingrui
; APPLICANT:Xie, Zhidong
; TITLE OF INVENTION: Transgenic Plants with Enhanced Agronomic Traits
; FILE REFERENCE: 38-21(52016)A
; CURRENT APPLICATION NUMBER: US/11/982,010
; CURRENT FILING DATE: 2008-10-18
; PRIOR APPLICATION NUMBER: 10/678,588
; PRIOR FILING DATE: 2003-10-02
; PRIOR APPLICATION NUMBER: 60/415,758
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/425,157
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/463,787
; PRIOR FILING DATE: 2003-04-18
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; PRIOR APPLICATION NUMBER: 60/337,358
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 10/438,246
; PRIOR FILING DATE: 2003-05-14
; PRIOR APPLICATION NUMBER: 10/155,881
; PRIOR FILING DATE: 2002-05-22
; PRIOR APPLICATION NUMBER: 09/816,660
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 09/733,089
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: 09/565,306
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/132,860
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: 10/424,599
; PRIOR FILING DATE: 2003-04-28
; PRIOR APPLICATION NUMBER: 09/985,678
; PRIOR FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: 09/304,517
; PRIOR FILING DATE: 1999-05-06
; PRIOR APPLICATION NUMBER: 09/874,708
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: 60/211,750
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 09/684,016
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: 10/425,114
; PRIOR FILING DATE: 2003-04-28
; PRIOR APPLICATION NUMBER: 10/219,999
; PRIOR FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 60/312,544
; PRIOR FILING DATE: 2001-08-15

; PRIOR APPLICATION NUMBER: 60/324,109
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 11/491,125
; PRIOR FILING DATE: 2006-08-24
; PRIOR APPLICATION NUMBER: 60/144,351
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/163,469
; PRIOR FILING DATE: 1999-11-01
; PRIOR APPLICATION NUMBER: 60/177,203
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: 60/184,162
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 09/620,392
; PRIOR FILING DATE: 2000-07-19
; NUMBER OF SEQ ID NOS: 1962
; SEQ ID NO 1020
; LENGTH: 1511
; TYPE: PRT
; ORGANISM: *Saccharomyces cerevisiae*
US-11-982-010-1020

Query Match 18.0%; Score 602; DB 2; Length 1511;
Best Local Similarity 28.5%; Pred. No. 3.2e-48;
Matches 187; Conservative 121; Mismatches 257; Indels 92; Gaps 24;

RESULT 3

US-11-769-326-53

; Sequence 53, Application US/1176932

; Publication No. US20090047277A1

GENERAL INFORMATION:

; APPLICANT: Reed, Jennifer Lynne

TITLE OF INVENTION: RECOMBINANT IL-9 ANTIBODIES AND USES THEREOF

; TITLE OF INVENTION: THEREOF

; FILE REFERENCE: 10271-112-999

CURRENT APPLICATION NUMBER: US/11/769,326

CURRENT FILING DATE: 2007-07-02

PBTOP APPLICATION NUMBER: US10/823,253A

PBTOR FILING DATE: 2004-04-12

PBTOR APPLICATION NUMBER: 60/477-797

PBTOB FILING DATE: 2003-06-10

: PBTOR APPLICATION NUMBER: 604

• PBTOB FILING DATE: 2003-

: NUMBER OF SEQ ID NOS: 65

• SOFTWARE • E

• SEQ ID NO. 53

; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-769-326-53

Query Match 4.9%; Score 163; DB 2; Length 808;
Best Local Similarity 25.4%; Pred. No. 1.5e-07;
Matches 63; Conservative 48; Mismatches 97; Indels 40; Gaps 11;

Qy 63 ILSNINGIMKPG-LNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCNS 121
:| : ::|| : ||::|| | |||:: :| | :|| | :||:| | | :|
Db 580 VLQGLTFTLRPGEVTALVGPNNGSKSTVAALLQONLYQPTG--GQLLLDGKPLP---QYEH 634

Qy 122 GY-----VVQDDVVMGTLTVRENLFSAALRLATTMTNHEKNERINRVIQE----- 167
| | | :| | | ::|||: :| | | | | :|
Db 635 RYLHRQVAAVGQEPQVFGR-SLQENIAYG-----LTQKPTMEEITAAAVKSGAHSFI 685

Qy 168 LG LD KVAD SKV---GT QF FIRGVSGGER KRT SIGME LIT DPSI LF DEPTT GLDS STAN AV 224
|| :| ::|| | :| :|||:|: ::|| | | :| ||:|:| | | :|
Db 686 SGLPQGYDTEVDEAGSQ---LSGGQRQAVALARALIRKPCVLILDDAT SALT DANS SQLQV 741

Qy 225 LLLLKRMSKQGRTIIFSIIHQPRYSIFKLFDSTLLASGRLMFH GPAQE ALGY FESAGY HC 284
|| :: :| | | | :| :| :| | | :| | | :| | | :|
Db 742 EQLLYESPERYSRSVLLITQ-HLSLVEQADHILFLEGGAIREGGTHQQLM---EKKGCYW 797

Qy 285 EAYNNPAD 292
|||
Db 798 AMVQAPAD 805

RESULT 4

US-11-982-010-1472

; Sequence 1472, Application US/11982010
; Publication No. US20090044297A1
; GENERAL INFORMATION
; APPLICANT: Adams, Thomas R
; APPLICANT: Andersen, Scott E.
; APPLICANT: Cao, Yongwei
; APPLICANT: Conner, Timothy W.
; APPLICANT: Dotson, Stanton B.
; APPLICANT: Edgerton, Michael D
; APPLICANT: Heck, Gregory R.
; APPLICANT: Kovalic, David K.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Lee, Gary
; APPLICANT: Liu, Jingdong
; APPLICANT: Lutfiyya, Linda L.
; APPLICANT: Nelson, Donald E.
; APPLICANT: Wu, Jingrui
; APPLICANT: Xie, Zhidong
; TITLE OF INVENTION: Transgenic Plants with Enhanced Agronomic Traits
; FILE REFERENCE: 38-21(52016)A
; CURRENT APPLICATION NUMBER: US/11/982,010
; CURRENT FILING DATE: 2008-10-18
; PRIOR APPLICATION NUMBER: 10/678,588
; PRIOR FILING DATE: 2003-10-02
; PRIOR APPLICATION NUMBER: 60/415,758
; PRIOR FILING DATE: 2002-10-02

; PRIOR APPLICATION NUMBER: 60/425,157
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/463,787
; PRIOR FILING DATE: 2003-04-18
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; PRIOR APPLICATION NUMBER: 60/337,358
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 10/438,246
; PRIOR FILING DATE: 2003-05-14
; PRIOR APPLICATION NUMBER: 10/155,881
; PRIOR FILING DATE: 2002-05-22
; PRIOR APPLICATION NUMBER: 09/816,660
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 09/733,089
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: 09/565,306
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/132,860
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: 10/424,599
; PRIOR FILING DATE: 2003-04-28
; PRIOR APPLICATION NUMBER: 09/985,678
; PRIOR FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: 09/304,517
; PRIOR FILING DATE: 1999-05-06
; PRIOR APPLICATION NUMBER: 09/874,708
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: 60/211,750
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 09/684,016
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: 10/425,114
; PRIOR FILING DATE: 2003-04-28
; PRIOR APPLICATION NUMBER: 10/219,999
; PRIOR FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 60/312,544
; PRIOR FILING DATE: 2001-08-15
; PRIOR APPLICATION NUMBER: 60/324,109
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 11/491,125
; PRIOR FILING DATE: 2006-08-24
; PRIOR APPLICATION NUMBER: 60/144,351
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/163,469
; PRIOR FILING DATE: 1999-11-01
; PRIOR APPLICATION NUMBER: 60/177,203
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: 60/184,162
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 09/620,392
; PRIOR FILING DATE: 2000-07-19
; NUMBER OF SEQ ID NOS: 1962
; SEQ ID NO 1472
; LENGTH: 509
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana

US-11-982-010-1472

RESULT 5

US-11-982-274-1472
; Sequence 1472, Application US/11982274
; Publication No. US20090049573A1
; GENERAL INFORMATION
; APPLICANT: Adams, Thomas H
; APPLICANT:Dotson, Stanton B.
; APPLICANT:Edgerton, Michael D
; APPLICANT:Lee, Gary
; APPLICANT:Nelson, Donald E.
; APPLICANT:Wu, Jingrui
; APPLICANT:Xie, Zhidong
; TITLE OF INVENTION: Transgenic Plants with Enhanced Agronomic Traits
; FILE REFERENCE: 38-21(52596)A
; CURRENT APPLICATION NUMBER: US/11/982,274
; CURRENT FILING DATE: 2008-10-04
; PRIOR APPLICATION NUMBER: 10/678,588
; PRIOR FILING DATE: 2003-10-02
; PRIOR APPLICATION NUMBER: 60/415,758
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/425,157
; PRIOR FILING DATE: 2002-11-08

;
 PRIOR APPLICATION NUMBER: 60/463,787
 ; PRIOR FILING DATE: 2003-04-18
 ; NUMBER OF SEQ ID NOS: 1962
 ; SEQ ID NO 1472
 ; LENGTH: 509
 ; TYPE: PRT
 ; ORGANISM: Arabidopsis thaliana

US-11-982-274-1472

Query Match 2.6%; Score 86; DB 2; Length 509;
 Best Local Similarity 18.8%; Pred. No. 1.2;
 Matches 73; Conservative 53; Mismatches 126; Indels 136; Gaps 17;

Qy	333 AEIYVNSSFYKETKAELHQLSGGEEKKKITVFKEISYTTSFCHQLRWVSKRSFKNLLGNP	392
	:: :: : : : :	
Db	6 AERAANNATALETQSSPEDLSQPSPLRKIIISVASIAAGVQFGWALQLSLLTPYIQLLGIP	65
Qy	393 Q-----ASIAQIIITVVLG-----LVIGAIY-----	413
	: : :: : ::	
Db	66 HKWSSYMWLCGPISGMIVQPIVGYHSDRCESRFGRRPFIAAGVALVAVSVFLIGFAADM	125
Qy	414 ---FGLKNDSTGIQNRAVLFLLT-----TNQ	437
	:: : ::	
Db	126 GHSFGDKLENK-VRTRA-IIIIFTGFWFLDVANNTLQGPCRAFLADLAAGDAKKTRVANA	183
Qy	438 CFSSVSAVELFVVEKKLFIHEYISGYRVSSYFLGKLLSDLLPMTMLPSIIFTCIVYFML	497
	: : : : :	
Db	184 CFSFFMAVG-----NVLGYAAGSY-----TNLHKMFPTMTKA---CDIY-CA	222
Qy	498 GLKPKADEFVMMFTLMMVAYSA---SSMALAIAAGQSUVSVATLLMTICVFMMIFSG	553
	: : : :	
Db	223 NLK---TCFFLSITLLLIVTFSSLWYVKDKQWSPPQGDKEEKSSL----FFFGEIFGA	274
Qy	554 -----LLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGNNPCNY	605
	: : : : : : : :	
Db	275 VRHMKRPMVMILLIVTVINWIAWFPI-----LYDTDWMGREVYGG-NSDGDE---	320
Qy	606 ATCTGEEYLVKQGIDLSPWGLWKNHVAL	633
	: : :	
Db	321 ----RSKKLYDQGVQAGALGLMFNSILL	344

RESULT 6

US-12-089-646-8

;
 Sequence 8, Application US/12089646
 ; Publication No. US20090042219A1
 ; GENERAL INFORMATION
 ; APPLICANT: MORIYAMA et al.
 ; TITLE OF INVENTION: Novel Transporter Protein in Mammal and Utilization of the Same
 ; FILE REFERENCE: 14119.105012
 ; CURRENT APPLICATION NUMBER: US/12/089,646
 ; CURRENT FILING DATE: 2008-04-09
 ; PRIOR APPLICATION NUMBER: PCT/JP2006/320409
 ; PRIOR FILING DATE: 2006-10-12
 ; PRIOR APPLICATION NUMBER: JP 2005-300851
 ; PRIOR FILING DATE: 2005-10-14
 ; PRIOR APPLICATION NUMBER: JP 2006-156458

; PRIOR FILING DATE: 2006-06-05
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 573
; TYPE: PRT
; ORGANISM: mouse
US-12-089-646-8

Query Match 2.5%; Score 85; DB 3; Length 573;
Best Local Similarity 21.9%; Pred. No. 1.8;
Matches 88; Conservative 54; Mismatches 141; Indels 118; Gaps 21;

QY 304 AVALNREEDFKATEIIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKKITV 363

Db 141 AIFLNTE-----RLLLLLRQD-PDVARLAQVYVMICIPALPAFLFQL----- 182

QY 364 FKEISYTTSFCHQLRWVKRSFKNLLGNPQASIAQITIVTVVLGLV-IGAIYFGLKDSTG 422

Db 183 -----QTRYLQSQGI-----IMPOQVIVGIAANVVNVGMNAFLLYALDLG 221

Db 222 V---VGSAWANTTSOFFLS-ALLFLYVWWKRIHIHTW-GGWTRECFQEWSSY----- 268

Qy 478 LLPMTMLPSIIFTCIVY-----FMLGLKPkad-AFFVMMFTLMMVAYS-----ASS 522
.....|:|:.....|:|:.....|:|:.....|:|:.....|:|:.....|:|:.....|:|:

Pb 269 --TRLAIPSFMFVCIEWWTFEIGTEFLAGLVNVTELGAOAVIYELASVAYMVPFGFGVAAS 326

Qy 523 MAL--AIAAG---QSVVSVATLLMT--ICFVFMMIFSGLL-----VNLTIIASWLSW 567
.: .| :|| | :| | :| :| :| :| :| :| :| :| :| :|

Db 327 VRVGNALGAGNADQARCSTTVLLCAGVCALLVGILLAALKDVAYIFTNDKDIISLVSQ 386

Pb 387 VMPIFAPFHLDAL-----AGTCGGVLRGTKOKIGAVLNTIGYGFGEPIGVSLMFA 439

Qy 615 VKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655

Db 440 AKLGI----IGLWAGLI---VCVSFOAFSYLIVILRTNWS 472

RESULT 7

US-12-171-923-18

; Sequence 18, Application US/12171923

; Publication No. US20090047295A1

GENERAL INFORMATION

; APPLICANT: BERRY, DAVID ARTHUR

APPLICANT: DEVROE, ERIC JAMES

: APPLICANT: AFEYAN, NOUBAR BOO

APPLICANT: CHEVALIER, BRETT

APPLICANT:REDDY, SASHANK KURAPATI

TITLE OF INVENTION: MET

FILE REFERENCE: LSC-001

CURRENT APPLICATION NUMBER: U.S./

CURRENT FILING DATE: 2008-07-11

;
; PRIOR FILING DATE: 2007-07-12
; NUMBER OF SEQ ID NOS: 1126
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 18
; LENGTH: 500
; TYPE: PRT
; ORGANISM: Homo sapiens

US-12-171-923-18

Query Match 2.5%; Score 83.5; DB 3; Length 500;
Best Local Similarity 18.3%; Pred. No. 2;
Matches 65; Conservative 61; Mismatches 151; Indels 79; Gaps 16;

Qy	65	SNINGIMKPGLNAILGPTGGG--KSSL DVLAARKDPSGLSGDV LINGAPRPANFKCN-- 120
	:: : : : : : : :: :	
Db	51	THANGLDSPPMFAGAG-LGGTPCRKS YEDCASGIMEDSAIKCEYMLNAIPKRLCLVCGDI 109
Qy	121	-SGY---VVQDDVVMGTL--TVREN LQFSAALRLATTMTNHEKNE-----RINRV 164
	: :: ::: : : : : : : :	
Db	110	ASGYHYGVASCEACKAFFKRTI QGNIEYSCPATNECEITKRRRKSCQACRFMKCLKVGML 169
Qy	165	IQELGLDKV-----ADSKVGTQFIRGVSGGERKRTS--IGMELITDPSILFLDEP 212
	: : : : : : : : : :	
Db	170	KEGVRLDRVRRGRQKYKRRLDSESSPYLSQISPPAKPLTKIVSYLLVAEPDKLYA-MP 228
Qy	213	TTGLDSSTANAVLLLKRMSKQGRTII-FSIHQPRYSIFKLFDSLTL LASG--RLMFHGP 269
	: : :: : : : :	
Db	229	PPGMPEGDIKALTTLCDLADRELVVIIGWAKHIPGFSSLQLGDQMSLLQSAWMEILILGI 288
Qy	270	AQEALGYFESAGYHCEAYNNPADFFLDIINGDSTAVALNREDFKATEIIEPSKQDKPLI 329
	: : : : : : :	
Db	289	VYRSLPYDDKLVY-----AEDYIMD-----EEHSRLAGLLELYRAILQLV 328
Qy	330	EKLAEIYVNSSFYKETKAELHQLSGGEKKKKITVFKEISYTT---FCHQLRWVSK 382
	: : : : :	
Db	329	RR-----YKKLKVE-----KEEFVTLKALALANSDSMYIEDLEAVQK 365

RESULT 8

US-12-177-925-4

;
; Sequence 4, Application US/12177925
; Publication No. US20090047736A1
; GENERAL INFORMATION
; APPLICANT: ADLER, JON ELLIOT
; APPLICANT: LI, XIAODONG
; APPLICANT: STASZEWSKI, LENA
; APPLICANT: O'CONNELL, SHAWN
; APPLICANT: ZOZULYA, SERGEY
; TITLE OF INVENTION: HUMAN T1R2 NUCLEIC ACID SEQUENCES AND POLYPEPTIDES
; FILE REFERENCE: 67824.428926
; CURRENT APPLICATION NUMBER: US/12/177,925
; CURRENT FILING DATE: 2008-10-06
; PRIOR APPLICATION NUMBER: 10/725,284
; PRIOR FILING DATE: 2003-12-02
; PRIOR APPLICATION NUMBER: 10/035,045
; PRIOR FILING DATE: 2002-01-03
; PRIOR APPLICATION NUMBER: 60/259,227

; PRIOR FILING DATE: 2001-01-03
; PRIOR APPLICATION NUMBER: 60/284,547
; PRIOR FILING DATE: 2001-04-19
; NUMBER OF SEQ ID NOS: 24
; SEQ ID NO 4
; LENGTH: 852
; TYPE: PRT
; ORGANISM: Homo sapiens
US-12-177-925-4

Query Match 2.5%; Score 82.5; DB 3; Length 852;
Best Local Similarity 21.1%; Pred. No. 5.8;
Matches 70; Conservative 39; Mismatches 110; Indels 113; Gaps 14;

Db 539 TFCGQDEWSPERSTRCFRRRSRFLAWGEPAVLLLSSALGLVLAALGLFVHRSPL 598

Qy 423 IQN RAG-----VLFF-----LTT NQCFSS--VSA VEL 447
 : | | | | | | | | | : : | | : | : |

Db 599 VQASGGPLACFGLVCLGLVCLSVLLFPQSPARCLAQQPLSHLPLTGCLSTLFLQAAEI 658

Db 659 FVESELPLSWADRLSGCLRGPWAFLVLLAMLVEVAL-----CTWYLVAFPPEVVTD 71C

Qy 507 FVMMFTLMMV--AYSASSMALAIAAGQSVSVA-----TLLMTI 543
 : | : | : | | | | || | : : : | |

Db 711 WHMLPTEALVHCRTSRWSVSGLAHATNATLAFLCFLGTFLVRSPQPGCYNRARGLTFA 77C

Qy 544 CFVFMMIFSGLLVNLTTI-----ASWLSWLQYFSIPRYGFTALQHNEFLGQNFC 592
| : : | || | : : | | | : || |

Db 771 YF1TWVFVPLLlanVQVVLRPAVQMGALLCVLGILAAFHLPRLCYLLMRQ----- 82C

Qy 593 PGLN-----ATGNNPCNYATCTGEE 612

001-PC1NTREELGGCGCGAGGCGAGTCAGC 046

RESULT 9

US-11-982-010-1262

; Sequence 1262, Application US/11982010

; Publication No. US20090044297A1

GENERAL INFORMATION

; APPLICANT: Adams, Thomas R

; APPLICANT:Andersen, Scott E.

; APPLICANT:Cao, Yongwei

; APPLICANT:Conner, Timothy W.

; APPLICANT:Dotson, Stanton B.

; APPLICANT:Edgerton, Michael

; APPLICANT:Heck, Gregory R.

; APPLICANT:Kovalic, David K.

; APPLICANT:La Rosa, Thomas J.

; APPLICANT:Lee, Gary

; APPLICANT:Liu, Jingdong

; APPLICANT:Wu, Jingrui
; APPLICANT:Xie, Zhidong
; TITLE OF INVENTION: Transgenic Plants with Enhanced Agronomic Traits
; FILE REFERENCE: 38-21(52016)A
; CURRENT APPLICATION NUMBER: US/11/982,010
; CURRENT FILING DATE: 2008-10-18
; PRIOR APPLICATION NUMBER: 10/678,588
; PRIOR FILING DATE: 2003-10-02
; PRIOR APPLICATION NUMBER: 60/415,758
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/425,157
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/463,787
; PRIOR FILING DATE: 2003-04-18
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; PRIOR APPLICATION NUMBER: 60/337,358
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 10/438,246
; PRIOR FILING DATE: 2003-05-14
; PRIOR APPLICATION NUMBER: 10/155,881
; PRIOR FILING DATE: 2002-05-22
; PRIOR APPLICATION NUMBER: 09/816,660
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 09/733,089
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: 09/565,306
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/132,860
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: 10/424,599
; PRIOR FILING DATE: 2003-04-28
; PRIOR APPLICATION NUMBER: 09/985,678
; PRIOR FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: 09/304,517
; PRIOR FILING DATE: 1999-05-06
; PRIOR APPLICATION NUMBER: 09/874,708
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: 60/211,750
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 09/684,016
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: 10/425,114
; PRIOR FILING DATE: 2003-04-28
; PRIOR APPLICATION NUMBER: 10/219,999
; PRIOR FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 60/312,544
; PRIOR FILING DATE: 2001-08-15
; PRIOR APPLICATION NUMBER: 60/324,109
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 11/491,125
; PRIOR FILING DATE: 2006-08-24
; PRIOR APPLICATION NUMBER: 60/144,351
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/163,469
; PRIOR FILING DATE: 1999-11-01
; PRIOR APPLICATION NUMBER: 60/177,203

;
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: 60/184,162
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 09/620,392
; PRIOR FILING DATE: 2000-07-19
; NUMBER OF SEQ ID NOS: 1962
; SEQ ID NO 1262
; LENGTH: 2513
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-11-982-010-1262

Query Match 2.5%; Score 82.5; DB 2; Length 2513;
Best Local Similarity 19.6%; Pred. No. 32;
Matches 106; Conservative 89; Mismatches 224; Indels 121; Gaps 27;

Qy	147 RLATTMTNHEKNERINRVIQELGL---DKVADSK-----VGTQFIRGVSGGERKRTSIG 197
	: :: : : : : : : : :: :
Db	1552 RAYSNMVRVQQLSELEEVIEYYTLPVGNTIAEERRALIRNMWTQRIQ---GSKRNVEW 1607
Qy	198 MELITDPSILFLDEPTTGLDSSTANAVLLLKRMSKQGRTIIFSIHQPRYSIFKLFDSL 257
	: :: :: : :: :
Db	1608 QALLAVRALVL--PPTEDVETWLKFASL----CRKSGR----ISQAKSTLLKLLPFDP 1655
Qy	258 LLASGRLMFHGPAQEALGYFE---SAGYHCEAYNNPADFFLDIINGDSTAVALNREEDFK 314
	:: : : :
Db	1656 EVSPENMQYHGPPQVMLGYLKYQWSLGE--ERKRKEAFTKLQILTRELSSVP-HSQSDIL 1712
Qy	315 ATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKKITVFKEISYTTSC 374
	: :: : : : ::
Db	1713 AS-MVSSKGANVPL---LARVNKLGTWQ----WALSSGLNDGSIQEIRD-AFDKSTC 1761
Qy	375 HQLRWVSK---RSFKNLLGNPQASIAQIIVTVVLGLVIGAIY-FGLKNDSTGIQNRAV 429
	: : :
Db	1762 YAPKWAKAWHTWALFNTAVMSHYISRGQIASQYVVSAVTGYFYSIACAANAKGVDDSLQD 1821
Qy	430 LFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLPM-TMLPSII 488
	: : :
Db	1822 ILRLLT-LWFNHGATADVQTALKGFSHVNINTWLVLPQIIARIHSNNRAVRELIQSLL 1880
Qy	489 FTCIVYFMLGLK-PKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSATLLMTICFVF 547
	: : :
Db	1881 -----IRIGENHPQA----LMPPLLACKSISN--LRRAAAQEVVVDK----- 1916
Qy	548 MMIFSGLLVNLTTIAS-----WLSWLQYFSIPRYG----- 577
	: :
Db	1917 VRQHSGALVDQAQLVSHELIRVAILWHEMWEALEEASRLYFGEHNIEGMLKVLEPLHDM 1976
Qy	578 -----FTALQHNEFLG-QNFCPG-----LNATGNNPNCNYATCTGEEYLVKQGIDL 621
	: :
Db	1977 LDEGVKKDSTTIQERAFIGEVGNFNPGFLAYRHELKEAHECCCNY-KITGKDAAELTQAWDL 2035

RESULT 10

US-11-982-274-1262

; Sequence 1262, Application US/11982274
; Publication No. US20090049573A1

;
 GENERAL INFORMATION
 ; APPLICANT: Adams, Thomas H
 ; APPLICANT: Dotson, Stanton B.
 ; APPLICANT: Edgerton, Michael D
 ; APPLICANT: Lee, Gary
 ; APPLICANT: Nelson, Donald E.
 ; APPLICANT: Wu, Jingrui
 ; APPLICANT: Xie, Zhidong
 ; TITLE OF INVENTION: Transgenic Plants with Enhanced Agronomic Traits
 ; FILE REFERENCE: 38-21(52596)A
 ; CURRENT APPLICATION NUMBER: US/11/982,274
 ; CURRENT FILING DATE: 2008-10-04
 ; PRIOR APPLICATION NUMBER: 10/678,588
 ; PRIOR FILING DATE: 2003-10-02
 ; PRIOR APPLICATION NUMBER: 60/415,758
 ; PRIOR FILING DATE: 2002-10-02
 ; PRIOR APPLICATION NUMBER: 60/425,157
 ; PRIOR FILING DATE: 2002-11-08
 ; PRIOR APPLICATION NUMBER: 60/463,787
 ; PRIOR FILING DATE: 2003-04-18
 ; NUMBER OF SEQ ID NOS: 1962
 ; SEQ ID NO 1262
 ; LENGTH: 2513
 ; TYPE: PRT
 ; ORGANISM: Arabidopsis thaliana

US-11-982-274-1262

Query Match 2.5%; Score 82.5; DB 2; Length 2513;
 Best Local Similarity 19.6%; Pred. No. 32;
 Matches 106; Conservative 89; Mismatches 224; Indels 121; Gaps 27;

Qy	147 RLATTMTNHEKNERINRVIQELGL---DKVADSK-----VGTQFIRGVSGGERKRTSIG 197
	: : : : : : : : : : : :
Db	1552 RAYSNMVRVQQLSELEEVIEYYTLPVGNTIAEERRALIRNMWTQRIQ---GSKRNVEW 1607
Qy	198 MELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIFSIHQPRYSIFKLFDSL 257
	: :: : :: : ::
Db	1608 QALLAVRALVL--PPTEDVETWLKFASL----CRKSGR----ISQAKSTLLKLLPFDP 1655
Qy	258 LLASGRLMFHGPAQEALGYFE---SAGYHCEAYNNPADFFLDIINGDSTAVALNREEDFK 314
	:: : : : : : : : :
Db	1656 EVSPENMQYHGPPQVMLGYLKQWSLGE--ERKRKEAFTKLQILTRELSSVP-HSQSDIL 1712
Qy	315 ATEIIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKKITVFKEISYTTSC 374
	: : : : : : : :
Db	1713 AS-MVSSKGANVPL---LARVNLKLGTVQ-----WALSSGLNDGSIQEIRD-AFDKSTC 1761
Qy	375 HQLRWVSK---RSFKNLLGNPQASIAQIIVTVVLGLVIGAIY-FGLKNDSTGIQNRAVG 429
	: : : :
Db	1762 YAPKWAKAWHTWALFNTAVMSHYISRGQIASQYVVSAVTGYFYSIACAANAKGVDDSLQD 1821
Qy	430 LFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLPM-TMLPSII 488
	: : : :
Db	1822 ILRLLT-LWFNHGATADVQTALKGFSHVNINTLVVLPQIIARIHSNNRAVRELIQSLL 1880
Qy	489 FTCIVYFMLGLK-PKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSATLLMTICFVF 547
	: : : : :

RESULT 11

US-12-135-071A-18
; Sequence 18, Application US/12135071A
; Publication No. US20090042254A1
; GENERAL INFORMATION
; APPLICANT: Dow Chemical
; APPLICANT: Retallack, Diane M
; APPLICANT: Mitchell, Jon C
; TITLE OF INVENTION: Expression of Soluble Antibody Fragment by Truncation of CH1 Domain
; FILE REFERENCE: 2971.01-8345US
; CURRENT APPLICATION NUMBER: US/12/135,071A
; CURRENT FILING DATE: 2008-06-06
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 479
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Chemically synthesized: Amino Acid Sequence Corresponding to Coding
region of pDOW3716

Query Match 2.4%; Score 82; DB 3; Length 479;
Best Local Similarity 20.6%; Pred. No. 2.6;
Matches 73; Conservative 50; Mismatches 138; Indels 94; Gaps 20;

Qy 80 GPTGG----GKSSL LDV-LAARKDPS-----GLSGDV LINGA-----PRPANFK 118
|| | : ; : | : | : | || | | |

Qy 119 CNSGYVVQDDVVMGTLTVRENLQFSAALRLATTMT-----NHE-KNERIN 162

163 PVTOELGLDKVADSKVCTOEIRGVSCCERKRTSICMELITDRSILIELDERTCLDSSTAN 222

Db 234 KRVEPKSCMKLKRLMAAMTF--VAAGVATANAVA-----DIQMTQSPST-LSASIGD 282

Qy 223 AVLLLKR-----MSKQGRTIIFSIHQPRYSIFKLFDSLTLLASGRLMFHGPQ 271
| : : | | : | : | : | | | | |

QY 272 E-----ALGYFESAGYHCEAYNN-PADFFLDIINGDSTAVALNREEDFKATEIIEPSKQ 324

Db 335 DFTLTSSLQPDDFATYYCQQYSNYPLTF-----GGGTLKLEIKRAVAAPSVFIFPPS-- 386

Qy	325 DKPLIEKLAEI--YVNSSFYKETKAEL---HQLSGGEKKKKITV--FKEISYTTs 372 : : : : : : :: : : :
Db	387 DEQLKSGTASVVCLNNFPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLS 441

RESULT 12

US-11-982-010-1221

; Sequence 1221, Application US/11982010
; Publication No. US20090044297A1
; GENERAL INFORMATION
; APPLICANT: Adams, Thomas R
; APPLICANT: Andersen, Scott E.
; APPLICANT: Cao, Yongwei
; APPLICANT: Conner, Timothy W.
; APPLICANT: Dotson, Stanton B.
; APPLICANT: Edgerton, Michael D
; APPLICANT: Heck, Gregory R.
; APPLICANT: Kovalic, David K.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Lee, Gary
; APPLICANT: Liu, Jingdong
; APPLICANT: Lutfiyya, Linda L.
; APPLICANT: Nelson, Donald E.
; APPLICANT: Wu, Jingrui
; APPLICANT: Xie, Zhidong
; TITLE OF INVENTION: Transgenic Plants with Enhanced Agronomic Traits
; FILE REFERENCE: 38-21(52016)A
; CURRENT APPLICATION NUMBER: US/11/982,010
; CURRENT FILING DATE: 2008-10-18
; PRIOR APPLICATION NUMBER: 10/678,588
; PRIOR FILING DATE: 2003-10-02
; PRIOR APPLICATION NUMBER: 60/415,758
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/425,157
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/463,787
; PRIOR FILING DATE: 2003-04-18
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; PRIOR APPLICATION NUMBER: 60/337,358
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 10/438,246
; PRIOR FILING DATE: 2003-05-14
; PRIOR APPLICATION NUMBER: 10/155,881
; PRIOR FILING DATE: 2002-05-22
; PRIOR APPLICATION NUMBER: 09/816,660
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 09/733,089
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: 09/565,306
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/132,860
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: 10/424,599
; PRIOR FILING DATE: 2003-04-28
; PRIOR APPLICATION NUMBER: 09/985,678

; PRIOR FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: 09/304,517
; PRIOR FILING DATE: 1999-05-06
; PRIOR APPLICATION NUMBER: 09/874,708
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: 60/211,750
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 09/684,016
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: 10/425,114
; PRIOR FILING DATE: 2003-04-28
; PRIOR APPLICATION NUMBER: 10/219,999
; PRIOR FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 60/312,544
; PRIOR FILING DATE: 2001-08-15
; PRIOR APPLICATION NUMBER: 60/324,109
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 11/491,125
; PRIOR FILING DATE: 2006-08-24
; PRIOR APPLICATION NUMBER: 60/144,351
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/163,469
; PRIOR FILING DATE: 1999-11-01
; PRIOR APPLICATION NUMBER: 60/177,203
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: 60/184,162
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 09/620,392
; PRIOR FILING DATE: 2000-07-19
; NUMBER OF SEQ ID NOS: 1962
; SEQ ID NO 1221
; LENGTH: 513
; TYPE: PRT
; ORGANISM: Glycine max

US-11-982-010-1221

Query Match 2.4%; Score 82; DB 2; Length 513;
Best Local Similarity 18.9%; Pred. No. 2.9;
Matches 104; Conservative 69; Mismatches 144; Indels 234; Gaps 27;

```

Qy      90 LDVLAARKDPSGLSGDVLI-----NGAPRPANFKCNSGYVVQDDVVMGTLTVRENL 140
          |  |||   || :    |           |  ||| |                   |||||
Db      16 LATLAAHLLPSDATSAAAILHPHRLSAPTGDLPANLK-----GTLTV--- 58

```

Qy	141 QFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGTQFIRGVSGGERKRTSIGME	200
	: : :: : : : : ::	
Db	59 -----VDERTGKKYQ---IEVTPDGTVRASDFKKIISSGKNDK--GLKL	96

Qy	201 ITDPSILFLDEPTTGLDSSTANAVLLLKRMSKQGRTIIFSIHQPRYSIFKLFDSLTLA 260
	: : : : : :
Db	97 Y-DPGYLNTAPVISRISYIDGDAGILRYR-----GYPIEDLAEKSTFTE 139

Qy	261 SGRLMFHG--PAQEALGYFESA-----	GY 282
	: : :: :	:
Db	140 VSYLILYGNLPSSESQLAWEWFALSQHSAVPQGVLDMIESMPHDAHPMGMLVNAMSALSVF	199

Qy 283 HCEAYNNPADFFLDIINGDSTAVALNREEDFKATEIIEPSKQ--DKPLIEKLAEIYVNSS 340

	:	: : : ::
Db	200 HPDA--NPALKGLDIYN-----	SKQVRDKQIARVIGKITTIAA 235
Qy	341 FYKETKAELHQLSGGEKKKKITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQII 400	
	: : : : : : : : : :	
Db	236 -----AINLRLAG---RPPVLPSNKLSYTFENFLYMLDSFGNRSYK---PNPRLTRALDI 283	
Qy	401 V-----TVVLGLVIGAIY---FGLKNDST-----G 422	
	: : : : ::	
Db	284 IFVLHAEHEMNCSTSARHLSSSGVDVYTAIAG-AVGALYGPLHGGANEAVLKMLSEIGT 342	
Qy	423 IQN-----RAGVLFFLTQNQCFSSVS--AVELFVVE 451	
	:: : : : ::	
Db	343 VENIPAFIEGVKARKRKLSGFHRVYKNYPRAKVLRL-TEEVFSIVGRDPLIEIAVAL 401	
Qy	452 KKLFIFIHEYISGYYRVSSYFLGKLLSDLLPMTMLPSI-IFTCIVYFMLGLKPKADEFVMM 510	
	: : : : : : : : ::	
Db	402 EKIALSD-----EYFIKRKL-----YPNVDFYSGLIYRAMGFQPE---FFTVA 441	
Qy	511 FTL-MMVAYSA 520	
	:	
Db	442 FAIPRMAGYLA 452	

RESULT 13

US-11-982-274-1221

; Sequence 1221, Application US/11982274
; Publication No. US20090049573A1
; GENERAL INFORMATION
; APPLICANT: Adams, Thomas H
; APPLICANT: Dotson, Stanton B.
; APPLICANT: Edgerton, Michael D
; APPLICANT: Lee, Gary
; APPLICANT: Nelson, Donald E.
; APPLICANT: Wu, Jingrui
; APPLICANT: Xie, Zhidong
; TITLE OF INVENTION: Transgenic Plants with Enhanced Agronomic Traits
; FILE REFERENCE: 38-21(52596)A
; CURRENT APPLICATION NUMBER: US/11/982,274
; CURRENT FILING DATE: 2008-10-04
; PRIOR APPLICATION NUMBER: 10/678,588
; PRIOR FILING DATE: 2003-10-02
; PRIOR APPLICATION NUMBER: 60/415,758
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/425,157
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/463,787
; PRIOR FILING DATE: 2003-04-18
; NUMBER OF SEQ ID NOS: 1962
; SEQ ID NO 1221
; LENGTH: 513
; TYPE: PRT
; ORGANISM: Glycine max

US-11-982-274-1221

Query Match 2.4%; Score 82; DB 2; Length 513;
Best Local Similarity 18.9%; Pred. No. 2.9;

Matches 104; Conservative 69; Mismatches 144; Indels 234; Gaps 27;

Qy 90 LDVLAARKDPGLSGDVLI-----NGAPRPANFKCNSGYVVQDDVVMGTLTVRENL 140
 | | || | | : | | | || | | | | || |
 Db 16 LATLAAHLLPSDATSAAAILHPHRLSAPTGDLPPANLK-----GTLTV---- 58

Qy 141 QFSaalrlattmtnheknernirviqelgldkvadskvgtqfirgvsggerkrtsigmel 200
 :|| : | :: : | : : | | : : | | : : | | : | :: |
 Db 59 -----vdertgkkyq---ievtpdgtvrasdfkkissgkndk---glkl 96

Qy 201 ITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRRIIFSIHQPRYSIFKLFDSLTLA 260
 || | : : : | : | : | | | : |
 Db 97 Y-DPGYLNTAPVISRISYIDGDAGILRYR-----gy piedlaekstfte 139

Qy 261 SGRLMFHG--PAQEALGYFESA-----GY 282
 | : : | | :: | : | | :
 Db 140 VSYLLILYGNLPSESQLAWEFALSQHSAVPQGVLDMIESMPHDAHPMGMLVNAMSALSVF 199

Qy 283 HCEAYNNPADFFLDIINGDSTAVALNREEDFKATEIIEPSKQ--DKPLIEKLAEIYVNSS 340
 | : | | | | | | | | | | | : : | :: |
 Db 200 HPDA--NPALKGLDIYN-----SKQVRDKQIARVIGKITTIAA 235

Qy 341 FYKETKAELHQLSGGEKKKKITVFKEISYTTSFCHQLRWVKRSFKNLLGNPQASIAQII 400
 | : | : | : : : : || | : | | | : | | | : : | |
 Db 236 -----AINLRLAG---RPPVLPNSNKLSYTFENFLYMLDSFGNRSYK---PNPRLTRALDI 283

Qy 401 V-----TVVLGLVIGAIY---FGLKNDST-----G 422
 : | : | : || : | | | : |
 Db 284 IFVLHAEHEMNCSTSARHLSSSGVDVYTAIAG- AVGALYGPLHGGANEAVLKMLSEIGT 342

Qy 423 IQN-----RAGVLFFLTQNQCFSSVS--AVELFVVE 451
 : : | | | | | : | | | : | : |
 Db 343 VENIPAFIEGVKARKRKLSGFHRVYKNYDPRAKVLRKL- TEEVFSIVGRDPLIEIAVAL 401

Qy 452 KKLFIHEYISGYYRVSSYFLGKLLSDLLPMTMLPSI-IFTCIVYFMLGLKPKADEFVMM 510
 : | : : : | | : : | | : : : : : | : | : | | : :
 Db 402 EKIALSD-----EYFIKRKL-----YPNVDFYSGLIYRAMGFQPE---FFTBL 441

Qy 511 FTL-MMVAYSA 520
 | : | | | |
 Db 442 FAIPRMAGYLA 452

RESULT 14

US-12-169-527-2468

; Sequence 2468, Application US/12169527

; Publication No. US20090049566A1

; GENERAL INFORMATION

; APPLICANT: Mendel Biotechnology, Inc.

; APPLICANT: ZHANG, James

; APPLICANT: HEMPEL, Frederick D

; APPLICANT: ADAM, Luc

; APPLICANT: PALYS, Joseph M

; TITLE OF INVENTION: IMPROVEMENT OF PLANT QUALITY WITH VARIOUS PROMOTERS

; FILE REFERENCE: MBI-0070-2CIP

; CURRENT APPLICATION NUMBER: US/12/169,527

; CURRENT FILING DATE: 2008-07-08

;
 NUMBER OF SEQ ID NOS: 10667
 SOFTWARE: PatentIn version 3.5
 SEQ ID NO 2468
 LENGTH: 322
 TYPE: PRT
 ORGANISM: Glycine max
 FEATURE:
 OTHER INFORMATION: G4631, bZIP domain coordinates 192-204, 234-313
 US-12-169-527-2468

Query Match 2.4%; Score 81.5; DB 3; Length 322;
 Best Local Similarity 21.7%; Pred. No. 1.6;
 Matches 44; Conservative 32; Mismatches 94; Indels 33; Gaps 8;

Qy	15	GNTNGFPATASN DLKAFTEGA VLSFH NICY RVKL-----KSGFLPCRKPVE-KEI	63
	: : :	: : : :: :	
Db	43	GDTIGL--TATGDVFVACHECGFPLCHSCYE YELKHMSQSCPQCKTAFTSHQEGAEE EI	100
Qy	64	LSNINGIMKPGLNAILGPTGGGKSSL-----DVLAARKDPSGLSGDVLINGAPRPANFK	118
	: : : : : : :: :		
Db	101	DMMTDAYLDNEIN--YGQGNSSKAGMLWEEDADLSSSSGHDSQIPNPHLANGQPM SGEFP	158
Qy	119	CNSGYVVQDDVVMGTLTVREN LQFS AALRLATTMTNHEKN ERINRVIQELGLDKV-----	173
	: : : : : : : :		
Db	159	C---ATSDAQSMQTTSIGQSEKVHSLSYADPKQPGPESDEEIRRV-PEIGGESAGTSAS	213
Qy	174	---ADSKVGTQFIRGVSGGERKR 193	
	: : : :		
Db	214	QPDAGSNAGTERVQGTGEGQKKR 236	

RESULT 15

US-11-982-010-1636

;
 Sequence 1636, Application US/11982010
 Publication No. US20090044297A1
 GENERAL INFORMATION
 APPLICANT: Adams, Thomas R
 APPLICANT: Andersen, Scott E.
 APPLICANT: Cao, Yongwei
 APPLICANT: Conner, Timothy W.
 APPLICANT: Dotson, Stanton B.
 APPLICANT: Edgerton, Michael D
 APPLICANT: Heck, Gregory R.
 APPLICANT: Kovalic, David K.
 APPLICANT: La Rosa, Thomas J.
 APPLICANT: Lee, Gary
 APPLICANT: Liu, Jingdong
 APPLICANT: Lutfiyya, Linda L.
 APPLICANT: Nelson, Donald E.
 APPLICANT: Wu, Jingrui
 APPLICANT: Xie, Zhidong
 TITLE OF INVENTION: Transgenic Plants with Enhanced Agronomic Traits
 FILE REFERENCE: 38-21(52016)A
 CURRENT APPLICATION NUMBER: US/11/982,010
 CURRENT FILING DATE: 2008-10-18
 PRIOR APPLICATION NUMBER: 10/678,588
 PRIOR FILING DATE: 2003-10-02

; PRIOR APPLICATION NUMBER: 60/415,758
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/425,157
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/463,787
; PRIOR FILING DATE: 2003-04-18
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; PRIOR APPLICATION NUMBER: 60/337,358
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 10/438,246
; PRIOR FILING DATE: 2003-05-14
; PRIOR APPLICATION NUMBER: 10/155,881
; PRIOR FILING DATE: 2002-05-22
; PRIOR APPLICATION NUMBER: 09/816,660
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 09/733,089
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: 09/565,306
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/132,860
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: 10/424,599
; PRIOR FILING DATE: 2003-04-28
; PRIOR APPLICATION NUMBER: 09/985,678
; PRIOR FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: 09/304,517
; PRIOR FILING DATE: 1999-05-06
; PRIOR APPLICATION NUMBER: 09/874,708
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: 60/211,750
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 09/684,016
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: 10/425,114
; PRIOR FILING DATE: 2003-04-28
; PRIOR APPLICATION NUMBER: 10/219,999
; PRIOR FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 60/312,544
; PRIOR FILING DATE: 2001-08-15
; PRIOR APPLICATION NUMBER: 60/324,109
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 11/491,125
; PRIOR FILING DATE: 2006-08-24
; PRIOR APPLICATION NUMBER: 60/144,351
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/163,469
; PRIOR FILING DATE: 1999-11-01
; PRIOR APPLICATION NUMBER: 60/177,203
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: 60/184,162
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 09/620,392
; PRIOR FILING DATE: 2000-07-19
; NUMBER OF SEQ ID NOS: 1962
; SEQ ID NO 1636
; LENGTH: 325

; TYPE: PRT
; ORGANISM: Zea mays
US-11-982-010-1636

Query Match 2.4%; Score 81.5; DB 2; Length 325;
Best Local Similarity 24.3%; Pred. No. 1.6;
Matches 41; Conservative 23; Mismatches 56; Indels 49; Gaps 9;

Qy 119 CNSGYVVQDDVVMGTLTV-----RENLFQFSAALRLATTMTNHEKNERINRVIQEL 168
|| |:: : : | | | : | :: | :: | :: |

Db 28 CNDGFIQEISEMGGILNTYGLIEPDFEERRARRFGMMMDAMSSLMRQR-----MEEM 78

Qy 169 GLDKVADSKVGTQFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLL 228
| | : | || | | | | : :: | | : | : | | |

Db 79 GRDGLFD-----IRGRQG---TGTEYGRRPTAVPTLVFGGIPSPGVDSGDVNVL--- 125

Qy 229 KRMSKQGRTIIFSIHQPRY-----SIFKLFDSDLTLLASGRLMFHGPA 270
: | | : | | : | : | | : | | |

Db 126 ----RGGRRV--GAAQPNFSSLVVGPSLEALFEQL-LLQNNR---QGPA 164

Search completed: March 3, 2009, 04:35:44

Job time : 3 secs